ANTHONY MAGUIRE

WASTE MAPPING ENGINEER
VEOLIA / JOHNSON & JOHNSON

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PERSONAL PROFILE

- 3+ Years proven hands–on industry experience working as a Waste Mapping Engineer (Project Management) for Johnson & Johnson / Veolia, as a Biotech Technical Writer for Eli Lilly, in addition to working as a QC Analyst for Teva Pharmaceuticals.
- Strong background in raw material, in–process and finished product testing in accordance to SOPs, cGMPs and GLP.
- Technical expertise in project management, documentation & compliance, deviations, validations and change controls.
- Hands–on MATLAB, R, Python, Polymath, Materials Studio, PyMOL and LaTeX experience.
- Exposure to Machine Learning and Crystallization Kinetics for the creation of ANNs on MATLAB and Python.
- BSc. Industrial Biochemistry in the University of Limerick, Ireland (Grade – 2.1).
- Currently looking for an opportunity to excel in a challenging working environment & become a valuable asset to the team.

EXPERIENCE

WASTE MAPPING ENGINEER (PROJECT MANAGEMENT)

Veolia | Johnson & Johnson
Oct 2022 – Present

Project Management
- Managing project procurement within defined project goals/deadlines.
- Liaising with EHS and Waste Management Vendors to ensure waste disposal requirements are satisfied.
- Ownership of projects and project issues, building close working relationships with Clients, Execution Teams and Management.
- Drive innovation and ensure anticipated goals are aligned with client.
- Met 100% of deadlines and project goals.

Technical Support / Data Management
- Provide technical support for the waste mapping services of Production, Quality & Operations.
- Data collection and creation of guidelines for correct waste disposal across the site.
- Creation / adjustment of a Waste Streams Application to be used on–site as a guide for all personnel on waste disposal in accordance to EHS / Veolia guidelines. Troubleshooting and maintenance of WS App.
- In–depth knowledge of MSDS and CoAs of chemicals for correct disposal.
- Monitor compliance with applicable H&S legislations and take corrective action when required to ensure WS App is updated.

BIOTECH TECHNICAL WRITER

Eli Lilly Kinsale Ltd | Eli Lilly and Company
Oct 2021 – Sep 2022

Project Management
- Oversaw a team of 6 Technical Writers in the successful implementation of Production BRs prior to the site cloud content management platform changeover project.
- Training of personnel in terms of the technical requirements, logistics and business aspect of the project / role.
- Creation of templates of BFDs / PFDs for both UPS & DNS Production BRs using Visio.
- Delegating workload to Technical Writers based on created timelines / schedules for the implementation of BRs for DNS & UPS Process Teams.
- Using Slx Sigma methodologies, ensured the Technical Writing team had the resources to meet project deadlines.
- Met 100% of deadlines and project goals.
- Communicated progress and roadblocks to process teams, including team leads / management, and made recommendations to remove roadblocks leading to on–time delivery of project.

Documentation & Compliance
- Responsible for the design, generation and updating of facility/process SOPs & Work Instructions (WIs), Production Master Batch Records (MBRs), Operations Area Logbooks, Training Documentation, EHS System Documentation, and PQ Protocols.
- Authoring Process Validation Protocols, Reports, in addition to writing and reviewing Protocols for Production activities.
- Fundamentals in Process & Quality Risk Assessments, and Product Impact Assessments.
- Design and generation of DQ, IQ, OQ, PQ Protocols.
- Act as Procedure Coordinator for the completion of routing new and revised Procedures, Training Courses, Batch Records and Compliance Documents.

Production, Quality & Operations Support
- Collaborate with management/supervisory personnel from Production, Quality & Ops to resolve product quality and non–conformance issues.
- Liaising with Upstream, Downstream & Media/Buffer Process Teams for   successful implementation of new and revised process procedures, WIs, MBRs, in addition to other relevant cGMP documentation.
- Assist site management in investigation reports, authoring quarterly/annual summaries and metrics, in addition to ensuring cGMP and regulatory compliance is consistently enforced.

EXPERIENCE

QC ANALYST
Tosara Pharma Ltd | Teva Pharmaceuticals
Jan 2020 – Sep 2020

Project Management
- Improving & digitising Raw Material Sample Retention system, in addition to QC Documentation Archiving system.
- Changing and updating relevant SOPs for the improved systems, implementing required training to relevant operators.
- Liaising with external companies for documents/excess materials storage.
- Met 100% of deadline /project goals through successful collaboration with cross–departmental teams and external parties for successful project implementation.

Testing
- Responsible for preparation and testing of raw materials, in–process and finished product testing to ensure conformance with quality standards.
- Preparation of technical documents for results of laboratory experiments, use of SAP for results of testing and material management.
- Aid in the execution of closures of deviations/LIRs, CAPA, and change controls, calibration & troubleshooting of equipment.
- Provide support to MFG Teams by performing shift–work as required.

Documentation & Compliance
- Ensuring experiments are completed in accordance to SOPs, GLP and cGMP.
- Writing SOPs, dealing with LIRs and stock management of chemicals needed for the QC lab.
- Development of SOPs & WIs for specific laboratory tasks, exposure to MSDS and CoAs of chemicals & disposal of chemical waste in accordance to EHS.
- Support Quality management in the implementation of QMS systems, in addition to data analytics for performance feedback and related activities.

RELEVANT SKILLS

- Experience in design, generation and updating of SOPs, WIs, MBRs, Logbooks, Training Documentation, EHS Documentation
- Fundamental knowledge in Six Sigma Tools, Kaizen Methodology, FDA & EMA Regulations, and Quality Management Systems
- Strong Quality orientation with incremental ability to focus on details and adherence to standards
- Proficient laboratory skills and analytical methods for greater efficiency in testing, in addition to competency in the closure of LIRS, CAPA, and change controls whilst ensuring compliance to cGMPs
- Use of HPLC & Gas Chromatography, Wet chemistry analysis, bioinformatic tools, UV–Vis, FTIR, SDS–PAGE/Gel Electrophoresis, Western Blotting, Mass Spectroscopy, troubleshooting and diagnostics
- Hands–on Python, MATLAB, R, Python, Polymath, Materials Studio, PyMOL and LaTeX experience
- Advanced in Microsoft Office Applications, SAP, Visio, Regulus, FOX IA, QualityDocs and Trackwise/Trackwise Harmony
- Highly proficient problem solving and communication skills
- Competent teaching ability from providing lectures in 'Immuno and DNA Diagnostic Techniques (ZIKV)'

EDUCATION

BSC. INDUSTRIAL BIOCHEMISTRY
University of Limerick
Aug 2017 – Aug 2021

- Modules included
  - Analytical Chemistry, Bioprocess Engineering, Safety & Industry, Quality Management, Bioinformatics and Chemometrics, etc.
- Second Class Honours Grade 1, 2.1.
- QCA – 3.01.

LEAVING CERTIFICATE
St. Colman's College
Sep 2012 – May 2017

- Completed 7 honours.
- Achieved 445 points.

THESIS / PUBLICATION

MODELLING THE CRYSTALLIZATION KINETICS OF ORGANIC COMPOUNDS USING ARTIFICIAL NEURAL NETWORKING / BACKPROPAGATION ANN FOR CRYSTALLIZATION KINETICS OF ORGANIC COMPOUNDS

- In–depth knowledge of Machine Learning and Crystallization Kinetics
- Fundamentals in effective Crystallization Process Development and Crystallization Data Analytics
- Proficient in creating neural networks on Python and Matlab
- Proficient in LaTeX for publishing professional scientific papers
- Best Thesis in the Department of Chemical Sciences UL 2021
- Thesis: Modelling the Crystallization Kinetics of Organic Compounds Using Artificial Neural Networking
- Pending Publication: Backpropagation ANN for Crystallization Kinetics of Organic Compounds

References available upon request.